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FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

U. S. DEPT. OF AGRICULTURE
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MAR 22 1966

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah Agricultural Experiment Station,
U.S. National Park Service, U.S. Geological Survey; and other
Federal, State, and private organizations.

||||||| AS OF |||||
MAR. 1, 1966

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES _____	MONTHLY (FEB.-MAY) _____	PORTLAND, OREGON _____	ALL COOPERATORS
BASIC DATA SUMMARY _____	OCTOBER 1 _____	PORTLAND, OREGON _____	ALL COOPERATORS
STATES			
ALASKA _____	MONTHLY (MAR.-MAY) _____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY _____ (JAN.15 - APR.1)	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY) _____	FORT COLLINS, COLORADO _____	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE) _____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE) _____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY) _____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE) _____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE) _____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE) _____	SPOKANE, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE) _____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

MARCH 1, 1966

Report prepared by
GREGORY L. PEARSON - PAUL KEIL
and
Patricia Paramore

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY UTAH 84111

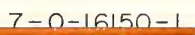
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STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

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STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

Approximate Date



WATER SUPPLY OUTLOOK

as of
MARCH 4, 1966

* Prospects for next summer's water supply remains*
* good to excellent for all areas that are princi-*
* pally dependent on reservoir storage rights. The*
* outlook is fair to good for water users in cen-*
* tral and northern areas who are primarily depen-*
* dent on natural streamflow. *

Mountain snowfall during February varied from about 50% to 90% of average over most watersheds of central and northern Utah. In the southwest, snowfall for the month was generally about 80% to 89% of usual amounts.

Because of February's light snowfall, forecasts have dropped about 10% to 20% since last month on the upper Bear river in Rich county and southwestern Wyoming, the Weber river and Chalk Creek above Echo reservoir, the upper Provo river, Uintah Basin streams from the Duchesne river to Yellowstone Creek and the larger streams in Emery and Carbon counties. Changes in forecasts for the remainder of the state remain within about 5% of what was expected a month ago.

Streamflow prospects are still the highest in southwestern Utah on the Virgin and Sevier rivers, and Coal Creek near Cedar City. Forecasts for these streams range from about 130% to 180% of average. Streamflow prospects decrease rapidly north and east of here, with the East Fork Sevier, Escalante and Paria rivers and Parowan Creek expected to yield from 5% to 15% above average flows. Streamflow from the Beaver river and Clear Creek near Sevier is expected to be essentially average.

Inflow to the Sevier river from Kingston to Vermillion is forecast at 151% for the April-June period, with about 7,000 acre feet coming above the 400 second foot flow value. Below Vermillion, flow above 360 second feet will be about 1,500 acre feet.

The following streams in northern and eastern areas now have prospects of average to 20% above average flow - Ogden river, the strawberry river and other Uintah Basin streams from Lakefork river below Moon Lake eastward to Ashley and Brush Creeks north of Vernal. In southeastern Utah, streams near Monticello and Blanding should yield from 15% to 30% above average amounts, while near Moab about average flows are expected.

WATER SUPPLY OUTLOOK (continued)

The areas where forecasts are lowest - with forecasts ranging between 65% to 80% of usual amounts - includes Parley's Creek near Salt Lake, East Canyon Creek near Morgan, Price river near Heiner and Chicken Creek near Levan.

Streams with forecasts of 80% and 90% of average include the Fremont and Muddy rivers, tributaries of the San Rafael and San Pitch rivers, inflow to Scofield, Sevier Bridge and Echo reservoirs, Salina Creek, Duchesne river near Tabiona, Logan and Little Bear rivers in Cache county, the Bear river near Woodruff and Randolph, and streams near Farmington.

Average to 10% less than average is expected from the streams near Fillmore, Tooele, Woodruff and Randolph, Sevier river inflow from Vermillion to Gunnison, Strawberry reservoir inflow, all streams draining into Utah Lake, the Cottonwood Creeks near Salt Lake, Lost Creek near Croydon, Blacksmith Fork near Hyrum and Rock Creek near Mountain Home.

The cold temperatures and frequent storms of February had a beneficial effect on the water outlook, particularly for the lower elevation watersheds. These weather conditions reduced evaporation and early snowmelt, leaving more water to come during the spring months. Several examples will illustrate this weather effect. At the Ben Lomond(lower) site (elevation 5850 ft.) on the North Fork of the Ogden river the month's precipitation was 88% of average, while the snowpack increase was 243%.

On the South Fork Ogden river at Sagebrush Flat(elevation 6300 ft.), precipitation was 87% while the month's snowpack increase was 400%. In southern Utah at the Widtsoe-Escalante Summit site(elevation 9500 ft.) on the East Fork Sevier river, the month's precipitation was 89% with a snowpack increase of 147%.

Of the main Colorado river tributaries above Lake Powell, the most favorable outlook is for the San Juan river near Bluff where the April-September streamflow is expected to be 22% above the 1948-62 fifteen year average. The outlook decreases to 96% for the Colorado river near Cisco and to 68% for the Green river near Green River, Utah. The April-July inflow to Lake Powell is now expected to be 7,100,000 acre feet, or 92% of the fifteen year average. The April-July inflow to Flaming Gorge is forecast at 850,000 acre feet, or 75% of average.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
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GREAT BASIN

BEAR RIVER SYSTEM

Bear at Harer, Idaho	258	Apr-Sept		258	100
Bear near Randolph	80	Apr-Sept		94	85
Bear nr Ut-Wyo State Line	105	Apr-Sept	194	115	91
Bear nr Woodruff	100	Apr-Sept	241	117	85
Big Crk nr Randolph, Utah	8.4	Apr-Sept		8.6*	98
Blacksmith Fork nr Hyrum (4)	60	Apr-Sept	83	63	95
Little Bear nr Paradise	34	Apr-June	38	38	89
Logan nr Logan (3)	112	Apr-Sept	183	133	84
Smith's Fork nr Border, Wyo.	113	Apr-Sept	164	112	101
Woodruff Crk nr Woodruff, Utah	17	Apr-Sept		17.6*	97

WEBER-OGDEN RIVERS

Chalk Crk at Coalville	29	Apr-Sept	68	36	81
East Canyon Crk nr Morgan (7)	18	Apr-Sept	46	25.6	70
Lost Crk nr Croydon, Utah	18	Apr-Sept	30	18.1	99
Pineview Reservoir Inflow (8)	130	Mar-July	161	129	101
So. Fork Ogden nr Huntsville	65	Apr-Sept	90	62	105
Rockport Reservoir Inflow (5)	100	Apr-July		117*	85
Weber nr Coalville (6)	108	Apr-Sept	222	128	84
Weber nr Oakley	90	Apr-June	128	100	90
	112	Apr-Sept	188	123	91

PROVO RIVER & UTAH LAKE

American Fork nr American Fork	32	Apr-Sept	42	33	97
Hobble Crk nr Springville	20	Apr-Sept		21.2	94
Payson Creek nr Payson	6.8	Apr-Sept		7.3	93
Provo nr Hailstone (10)	98	Apr-Sept		109*	90
Provo at Vivian Park (11)	130	Apr-Sept		144	90
Spanish Fork at Thistle	36	Apr-Sept	48	40	90
Strawberry Reservoir Inflow (9)	48	Apr-Sept		50	96
Utah Lake Inflow	280	Apr-Sept	381	282	99

JORDAN RIVER & SALT LAKE

Big Cottonwood nr SLC	37	Apr-Sept	48	39	95
Little Cottonwood Crk nr SLC	37	Apr-Sept	53	38	97
Parley's Crk nr SLC	9.5	Apr-Sept	19	13.3	71

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.

UTAH STREAMFLOW FORECASTS " (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
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SEVIER RIVER

Chalk Creek nr Fillmore	15.5	Apr-Sept		16.7	93
Clear Crk nr Sevier (abv. Div.)	13	Apr-June		12.9*	101
East Fork Sevier nr Kingston (12)	18	Apr-June		15.8	114
Inflow	22	Apr-Sept		19.8	111
Kingston to Vermillion Dam	59	Apr-June		39	151
Vermillion Dam to Gunnison	58	Mar-June		59	98
Salina Crk at Salina (14)	7	Apr-June		8.3*	84
Sevier nr Circleville	60	Apr-Sept		40 *	150
Sevier nr Gunnison a	44	Apr-Sept	68	55	80
Sevier at Hatch	48	Apr-June		32	150
	67	Apr-Sept		45	149
Sevier nr Kingston	38	Apr-June		21.0	181
	42	Apr-Sept		25.5	165
Sevier below Piute Dam (13)	63	Apr-Sept		45	140

SAN PITCH RIVER

Ephraim Creek nr Ephraim	12.5	Apr-Sept		15.2	82
Pleasant Crk nr Mt. Pleasant	8.3	Apr-Sept		9.7*	86
Twin Crk nr Mt. Pleasant	3.8	Apr-Sept		4.7*	81

BEAVER RIVER

Beaver nr Beaver	17.5	Apr-June	16.5	18.0	97
	24	Apr-Sept	28.4	24.3	99
Rockyford Reservoir Inflow (15)	5	Apr-June		7.8	64

COAL CREEK

Coal Crk nr Cedar City	23	Apr-Sept		16.0	144
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COLORADO RIVER BASIN

GREEN RIVER TRIBUTARIES IN UTAH

FLAMING GORGE TO DUCHESNE RIVER

Ashley Creek nr Vernal	60	Apr-Sept		56	107
Henry's Fork at Linwood	38	Apr-Sept		34	112

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
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DUCHESNE RIVER

Duchesne at Provo River (Trail nr Hanna)	32	Apr-Sept		35*	91
Duchesne nr Tabiona (16)	97	Apr-Sept		114	85
Lakefork below Moon Lake (17)	72	Apr-Sept	127	72	100
Rock Crk nr Mtn. Home	95	Apr-Sept	163	102	93
Strawberry at Duchesne	85	Apr-Sept		72	118
Uinta nr Neola	104	Apr-Sept	201	95	109
Whiterocks nr Whiterocks	71	Apr-Sept	102	63	113
Yellowstone nr Altonah	73	Apr-Sept	137	73	100

PRICE RIVER

Gooseberry Crk nr Scofield	10	Apr-Sept	15.1	11.9	84
Price nr Heiner (18)	44	Apr-Sept		68	65
Scofield Reservoir Inflow (18)	31	Apr-Sept		37	84

SAN RAFAEL RIVER

Cottonwood Crk nr Orangeville	50	Apr-Sept	96	55	91
Ferron Crk nr Ferron	36	Apr-Sept	63	42	86
Huntington Crk nr Huntington	46	Apr-Sept	85	56	82

MUDDY RIVER

Muddy Creek nr Emery	19	Apr-Sept	31	22.8*	83
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VIRGIN RIVER

Virgin nr Virgin	57	Apr-June		43	133
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UPPER COLORADO BASIN

Colorado nr Cisco, Utah	3650	Apr-Sept	5442	3789	96
Flaming Gorge Inflow (19)	850	Apr-July	1251	1129	75
Green at Green River, Utah(19)	2300	Apr-Sept		3368	68
Lake Powell Inflow (8)	7100	Apr-July	11810	7692	92
San Juan nr Bluff, Utah (20)	1430	Apr-Sept	2090	1172	122

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge, Fontenelle and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell, Fontenelle and Big Sandy.

GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1948-62, 15 year period. *Partly estimated.

RESERVOIR STORAGE (1,000 Ac. Ft.)

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE "a
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1145.4	926.8	894.3
	Woodruff Narrows	26.5	18.4	22.0	- -
<u>Beaver River</u>	Rocky Fork	23.3	13.8	8.1	12.5
<u>Little Bear</u>	Hyrum	15.3	10.5	6.7	10.8
	Porcupine	11.3	2.1	2.9	- -
<u>Ogden</u>	Causey	7.1	2.2	- -	- -
	Pineview	110.0	61.4	61.6	11.1
<u>Provo</u>	Deer Creek	149.7	108.5	111.1	92.3
<u>Sevier River</u>	Otter Creek	52.5	28.2	18.4	27.6
	Piute	74.0	46.5	32.0	38.9
	Sevier Bridge	236.1	109.8	50.7	108.2
<u>Spanish Fork</u>	Strawberry	270.0	118.2	64.1	135.6
<u>Utah Lake</u>	Utah Lake (b)	1149.0	712.6	444.4	587.3
<u>Weber</u>	East Canyon	28.7	0.3	0.0	13.4
	Echo	73.9	63.7	56.0	29.3
	Rockport	60.9	44.9	38.2	17.5*
	Willard Bay	215.0	80.2	62.3	- -
COLORADO RIVER DRAINAGE					
<u>Ashley Creek</u>	Steinaker	33.3	20.5	15.2	- -
<u>Colorado</u>	Lake Powell	27000.0d	8748.0	6223.0	- -
<u>Green</u>	Flaming Gorge	3789.0d	2383.8	826.3	- -
<u>Lake Fork</u>	Moon Lake	35.8	32.0	11.3	14.6
<u>Price River</u>	Scofield	65.8	53.2	13.9	19.6
<u>San Juan</u>	Navajo	1709.0d	217.3	265.4	- -

* - Average for 1957-62 inclusive

All data contained in this table supplied by the U.S. Geological Survey.

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

(d) Total capacity reported.

COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *

GREAT BASIN

Smith's Fork - Bear River (Wyo)	5	48	75
Strawberry-Mink Creeks (Ida)	3	51	66
Cub River (Ida)	3	69	80
Logan River	5	60	84
Blacksmith Fork-Little Bear	5	83	97
Malad River(Idaho)	2	48	70
Ogden River	5	84	97
Weber River above Echo Dam	8	62	84
Chalk Creek - Coalville	3	66	92
East Canyon Creek	3	60	83
Farmington Creek	2	57	80
Salt Lake Area	4	58	80
Tooele Area	1	68	84
American Fork River	3	89	92
Provo River above Vivian Park	6	65	83
Strawberry Reservoir Valley	3	96	89
Spanish Fork River	4	68	88
Hobble Creek	2	76	86
Mt. Nebo Area	2	76	86
Sevier River above Panguitch	5	138	123
East Fork Sevier River	6	136	100
Clear Creek above Sevier	1	89	94
Salina Creek	2	52	75
Mt. Pleasant Area	2	69	76
Ephraim Creek	2	62	70
Chicken Creek - Levan	1	39	53
Chalk Creek - Fillmore	3	72	87
Beaver River	3	101	91
Parowan Creek	2	77	112
Coal Creek - Cedar City	4	148	132
Enterprise - New Harmony	2	110	148
Mayfield Area	2	48	62

COLORADO RIVER BASIN

Duchesne River above Tabiona	3	59	80
Strawberry River	4	76	96
Lakefork River	2	83	104
Whiterocks-Uintah Rivers	3	108	108
Ashley Creek	4	106	108
Price River	7	67	87
San Rafael Tributaries	4	62	88
Fremont River	4	60	79
Escalante River	3	174	105
Virgin River	4	150	127
LaSal Mtns. near Moab	1	122	103
Blue Mtns. nr Monticello	2	115	135

* Actual or Estimated 1948-62, 15 year Average.

SNOW			CURRENT INFORMATION			PAST RECORD	
DRAINAGE BASIN and SNOW COURSE			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	2/25	44	13.3	27.4	17.5*
CCC Camp x	10G7	7500	2/24	32	8.1	16.3	10.4
Kelly Ranger Station	10G12	8200	2/25	43	12.0	25.3	18.7*
Monte Cristo R.S.	11H12	8960	2/25	60	22.4	26.9	21.5*
Piney LaBarge x	10G10	8820	2/26	42	12.3	27.5	17.8
Poison Meadows x	10G6	8500	2/26	59	17.1	42.0A	24.4
Salt River Summit x	10G8	7900	2/24	41	12.0	22.1	13.3
Trial Lake x	10J8	9800	2/24	58	17.4	35.7	23.0*

LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk	11H14	7150	2/25	35	10.6	12.4	11.1*
Christensen Ranch	11G11	5600	2/25	29	7.0	8.4	9.0*
Cub River R.S.	11G12	5400	2/24	29	7.8	8.6	9.4*
Dry Bread Pond x	11H13	8230	2/25	48	16.0	18.6	16.0*
Dry Creek Flat	12G4	6350	2/25	20	5.0	9.4	6.9*
Emigration Canyon	11G7	6500	2/25	27	7.3	13.4	- -
Emigrant Summit	11G6	7700	2/25	50	15.2	31.2	- -
Garden City Summit	11H7	7600	2/28	48	14.4	23.1	16.8*
Klondike Narrows	11H1	7400	2/28	49	15.2	27.4	18.0*
Little Bear(lower)	11H26	6100	3/1	33	8.9	7.6	8.6*
Little Bear(upper)	11H25	6850	3/1	37	10.4	10.6	10.6*
Monte Cristo R.S.	11H12	8960	2/25	60	22.4	26.9	21.5*
Oxford Mountain	12G3	6800	2/25	25	5.9	13.7	8.7*
Slug Creek Divide	11G5	7225	3/1	45	11.2	20.2	- -
Steep Hollow #1	11H27	8500	2/28	78	26.8	44.9	30.5*
Steep Hollow #2	11H28	7700	2/28	60	19.8	35.4	23.5*
Strawberry Creek	11G9	5800	2/25	30	7.6	12.6	11.1*
Strawberry Mink Divide	11G10	6800	2/25	44	12.3	28.4	19.3*
Tony Grove R.S.	11H3	6250	2/28	31	8.8	13.1	11.4*
Willow Flat	11G4	6100	2/24	37	10.6	17.1	14.3*

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	2/25	35	10.6	12.4	11.1*
Ben Lomond(lower)	11H9	5850	2/24	45	12.3	13.4	13.0*
Ben Lomond Peak	11H8	8000	2/24	78	26.8	35.8	29.5*
Ben Lomond Trail	11H30	6000	2/24	49	13.8	16.1	- -
Cutler Creek	11H29	6780	2/24	64	20.8	29.2	- -
Dry Bread Pond	11H13	8230	2/25	48	16.0	18.6	16.0*
Horse Ridge	11H21	8260	2/23	51	15.3	27.0	- -
Monte Cristo R.S.	11H12	8960	2/25	60	22.4	26.9	21.5*
Sagebrush Flat	11H15	6300	2/25	21	5.8	3.1	4.7*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

WEBER RIVER

Beaver Creek R.S.	11J24	7500	2/24	26	6.4	10.9	8.4*
Chalk Creek #1	11J1	9100	2/23	57	17.6	27.2	19.2*
Chalk Creek #2	11J2	8000	2/23	40	11.3	17.4	12.1*
Chalk Creek #3	11J3	7500	2/23	24	6.1	8.9	6.7*
Farmington Canyon(lower)	11J12	6950	2/28	48	13.6	23.9	19.6*
Farmington Canyon(upper)	11J11	8000	2/28	65	20.6	36.1	22.3*
Horse Ridge	11H21	8260	2/23	51	15.3	27.0	- -
Kilfore Creek	11H31	7300	2/23	42	11.7	14.7	- -
Lamb's Canyon x	11J14	6600	2/24	37	9.6	18.6	13.3*
Lost Creek Reservoir	11H32	6125	2/23	23	5.2	6.1	- -
Parley's Canyon Smt.	11J15	7500	2/26	44	12.2	23.8	15.8*
Redden Mine(lower)	11J6	8500	2/28	46	14.2	20.2	15.9*
Redden Mine(upper)	11J5	9000	2/28	50	16.2	23.0	17.3*
Silver Lake x	11J16	8725	2/24	61	20.6	26.7	20.5
Smith & Morehouse	11J4	7600	2/25	36	10.4	16.0	11.7*
Trial Lake x	10J8	9800	2/24	58	17.4	35.7	23.0*

PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	2/25	44	14.0	13.6	14.9
Clear Creek Ridge #1	11K21	9200	2/23	45	14.1	21.6	15.5*
Clear Creek Ridge #2	11K22	8000	2/23	37	10.6	16.7	12.2*
Clear Creek Ridge #3	11K23	6600	2/23	22	5.7	9.1	6.9*
Daniels-Strawberry Smt.	11J23	8000	2/25	43	12.0	14.2	13.4
Dutchman R.S.	11J17	7500	3/1	48	14.9	18.6	17.1*
East Portal	11J7	7560	2/27	37	10.0	11.6	10.6
Hobble Creek Summit	11J22	7300	2/24	37	11.0	14.0	12.4*
Packard Canyon	11J31	6400	2/24	27	7.9	10.8	9.6*
Payson R.S.	11K1	8050	2/24	44	14.1	17.7	15.7*
Rock Bridge	11K2	6750	2/24	27	9.0	12.4	11.0*
Soapstone R.S.	11J25	7800	2/24	34	8.5	19.0	11.7
South Fork R.S.	11J19	6100	2/25	17	5.3	5.6	6.2
Strawberry Divide	11J8	8000	2/27	51	14.8	20.8	17.7
Timpanogos Cave Camp	11J18	5500	2/25	9	3.0	2.2	3.3*
Timpanogos Divide	11J21	8140	2/25	64	21.4	25.8	22.8
Trial Lake	10J8	9800	2/24	58	17.4	35.7	23.0*

JORDAN RIVER & TOOELE VALLEY

Lamb's Canyon	11J14	6600	2/24	37	9.6	18.6	13.3*
Middle Canyon - Tooele	12J3	7000	2/28	33	9.7	14.2	11.6*
Mill D South Fork	11J10	7400	2/25	43	12.5	23.8	17.8*
Parley's Canyon Smt. x	11J15	7500	2/26	44	12.2	23.8	15.8*
Silver Lake	11J16	8725	2/24	61	20.6	26.7	20.5

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE				CURRENT INFORMATION			PAST RECORD	
				DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION					LAST YEAR	AVERAGE ^a

UPPER SEVIER RIVER
(South of Richfield, Utah)

Big Flat x	12L7	10290	2/23	42	12.8	14.3	15.0*
Box Creek	12L4	9800	2/24	37	9.4	13.5	10.2*
Bryce Canyon	12M8	8000	2/26	29	5.8	3.7	4.9*
Castle Valley	12M13	9700	3/1	50	14.2	10.4	12.0*
Cedar Breaks	12M1	10390	2/25	76	22.8	17.1	17.7*
Duck Creek R.S.	12M4	8560	2/25	56	16.3	11.3	12.8*
Fish Lake	11L3	8700	2/23	24	5.0	7.8	6.6*
Harris Flat R.S.	12M5	7700	2/25	36	9.0	7.2	7.9*
Kimberly Mine	12L6	8900	2/28	44	11.8	13.3	12.6*
Long Valley Jct. x	12M6	7500	2/25	22	4.3	0.0	4.0*
Midway Valley	12M2	9800	2/28	76	24.1	15.8	19.3*
Panguitch Lake	12M7	8200	3/1	29	7.4	3.6	4.1*
Squaw Springs	12L5	9300	2/24	27	6.0	7.7	5.9*
Widtsoe-Escalante Smt.	11M1	9500	2/28	31	8.0	4.4	6.8
Widtsoe-Escalante #2	11M2	9500	2/28	35	8.6	5.8	9.0*
Widtsoe-Escalante #3	11M3	9500	2/28	45	11.6	6.0	11.6*

LOWER SEVIER RIVER
(Including San Pitch River)

Bear Canyon	12L3	7200	2/28	29	6.7	10.0	8.0*
Beaver Dams	11K13	8000	2/24	28	6.2	13.1	10.7*
Farnsworth Lake	11L1	9900	2/28	43	10.4	20.7	14.4*
G.B.R.C. Headquarters	11K11	8700	3/1	34	8.7	14.0	14.1*
G.B.R.C. Meadows	11K10	10000	3/1	55	16.1	25.9	20.5*
Gooseberry R.S.	11L2	8400	2/28	31	7.3	13.8	9.4*
Gooseberry Reservoir x	11K4	8700	2/24	44	12.5	18.2	17.0*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	2/24	47	13.6	19.8	17.5*
Mt. Baldy R.S.	11K12	9500	2/23	48	12.6	25.0	18.8*
Pine Creek	12L1	8700	2/25	46	11.6	16.0	12.5*
Rees's Flat	11K36	7300	2/21	29	5.2	13.4	9.8*
Shingle Mill	12L11	6200	2/28	28	6.4	8.2	7.7*

BEAVER RIVER

Big Flat	12L7	10000	2/23	42	12.8	14.3	15.0*
Merchant's Valley	12L9	8200	2/23	32	8.1	7.4	8.5*
Otter Lake	12L8	9300	2/23	39	11.8	11.2	13.0*

PAROWAN CREEK

Birch Crossing	12M16	8100	2/25	23	5.0	- -	- -
Brian Head	12M14	10400	2/25	59	16.8	- -	- -
Ed Ward Flat	12M12	8300	2/25	29	7.2	9.7	6.0*
Tall Poles	12M15	8800	2/25	42	10.9	- -	- -
Yankee Reservoir	12M11	8700	2/25	33	8.0	10.0	7.7*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

COAL CREEK

CSU Ranch	12M17	8200	2/23	34	9.0	- -	- -
Cedar Breaks	12M1	10390	2/25	76	22.8	17.1	17.7*
Midway Valley x	12M2	9800	2/28	76	24.1	15.8	19.3*
Urie Flat	12M10	8450	2/28	31	8.3	6.4	6.4*
Webster Flat	12M3	9200	2/28	64	20.0	11.3	14.1*

ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	3/1	15	4.1	0.0	3.1*
Long Flat	13M2	8000	3/1	31	7.6	6.9	4.6*

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH

(Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	2/16	27	6.0	14.4	- -
Buck Pasture A	10J23	9700	Delayed Report			21.0A	- -
Burnt Creek	9J14	7900	No Report			- -	- -
East Fk. Black's Fork G.S.	10J21	9300	2/16	23	5.6	13.4	- -
Henry's Fork A	10J24	10200	Delayed Report			19.0A	- -
Hewinta Guard Station	10J4	9500	2/17	27	5.8	12.5	7.5*
Hickerson Park	9J8	9100	2/24	18	3.3	6.7	- -
Spirit Lake	9J7	10300	2/24	35	8.5	11.9	- -
Steel Creek Park	10J20	9900	2/17	43	9.9	19.4	- -

GREEN RIVER TRIBUTARIES BETWEEN
FLAMING GORGE & DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	Delayed Report			8.7A	- -
Grizzly Ridge	9J13	8500	No Report			- -	- -
Kings Cabin(lower)	9J2	8600	2/23	36	8.8	8.4	8.2*
Kings Cabin(upper)	9J1	8730	2/23	38	9.4	9.5	9.4*
Reynolds Park A	9J10	10400	Delayed Report			11.3A	- -
Windy Park A	9J12	9400	Delayed Report			7.6A	- -

DUCHESNE RIVER

Atwood Basin A	10J27	10250	Delayed Report			13.0A	- -
Chepeta-Whiterocks Lakes A	9J9	10300	Delayed Report			11.3A	- -
Daniels-Strawberry Smt,x	11J23	8000	2/25	43	12.0	14.2	13.4
East Portal x	11J7	7560	2/27	37	10.0	11.6	10.6
Five Point Lake A	10J26	11000	Delayed Report			19.2A	- -
Indian Canyon	10K1	9100	2/28	44	11.8	16.3	10.2
Julius Park	9J6	9800	2/25	46	11.6	11.0	11.7*
Lakefork Basin A	10J25	11100	Delayed Report			24.0A	- -
Lakefork Mountain	10J10	10500	2/28	40	10.2	12.8	10.1*
Lakefork Mountain #2	10J11	8900	2/28	31	7.6	8.9	7.1*
Lakefork Mountain #3	10J12	8100	2/28	28	6.4	7.4	5.9*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^a

DUCHESNE RIVER - Continued

Mosby Mountain	9J5	9500	2/25	39	9.9	9.5	9.2*
Paradise Park	9J3	10100	2/25	46	12.5	10.8	10.6*
Soapstone R.S. x	11J25	7800	2/24	34	8.5	19.0	11.7
Strawberry Divide x	11J8	8000	2/27	51	14.8	20.8	17.7
Trial Lake x	10J8	9800	2/24	58	17.4	35.7	23.0*

PRICE RIVER

Corral	10K5	8200	3/3	41	11.2	12.8	7.6*
Dry Valley Divide	11K8	7800	3/1	31	8.6	13.2	10.2*
Gooseberry Reservoir	11K4	8700	2/24	44	12.5	18.2	17.0*
Grassy Trail Crk-Left Fk.	10K3	7970	3/3	43	11.0	11.0	8.5*
Indian Canyon x	10K1	9100	2/28	44	11.8	16.3	10.2
Jones Ranch	11K7	7600	3/1	23	6.7	8.8	7.3*
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	2/24	47	13.6	19.8	17.5*
Mud Creek #2	11K33	8300	3/1	36	9.7	16.4	11.3*
Timberline	10K6	9100	No Report			15.7	11.2*
White River #1	10K2	8600	2/28	36	10.0	16.4	12.2*
White River #2	11K24	7600	2/28	27	6.6	10.7	8.5*
White River #3	11K25	7400	2/28	26	6.8	9.8	8.0*

SAN RAFAEL RIVER

Buck Flat	11K31	9400	2/23	39	10.4	19.2	12.8*
Gooseberry Reservoir	11K4	8700	2/24	44	12.5	18.2	17.0*
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	2/24	47	13.6	19.8	17.5*
Red Pine Ridge	11K28	9400	2/24	46	13.4	21.9	13.8*
Rush Pond	11K38	9800	2/23	36	9.1	17.4	11.6*
Seely Creek R.S.	11K9	10000	3/1	42	12.6	19.7	12.4*
Upper Joe's Valley	11K29	8800	2/24	32	7.7	13.3	7.9*
Wrigley Creek	11K32	9000	2/23	36	9.3	13.4	8.9*

MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	2/23	48	12.6	25.0	18.8*
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FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	2/23	33	7.8	11.3	8.3*
Farnsworth Lake x	11L1	9900	2/28	43	10.4	20.7	14.4*
Fish Lake	11L3	8700	2/23	24	5.0	7.8	6.6*
Johnson Valley	11L6	8850	2/23	24	5.2	8.8	7.1*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	2/28	31	8.0	4.4	6.8
Widtsoe-Escalante #2	11M2	9500	2/28	35	8.6	5.8	9.0*
Widtsoe-Escalante #3	11M3	9500	2/28	45	11.6	6.0	11.6*

VIRGIN RIVER

Cedar Breaks x	12M1	10390	2/25	76	22.8	17.1	17.7*
Duck Creek R.S.	12M4	8560	2/25	56	16.3	11.3	12.8*
Harris Flat R.S.	12M5	7700	2/25	36	9.0	7.2	7.9*
Long Valley Jct.	12M6	7500	2/25	22	4.3	0.0	4.0*
Midway Valley x	12M2	9800	2/28	76	24.1	15.8	19.3*
Webster Flat	12M3	9200	2/28	64	20.0	11.3	14.1*

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	2/17	50	14.1	13.1	11.4*
Camp Jackson	9M2	8600	2/17	51	15.0	12.3	10.3*
LaSal Mountain	9L1	8800	2/18	38	9.0	7.4	8.7*
LaSal Mountain(upper)	9L2	9600		No Report		13.0	14.4*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Chalk Creek #2*	8000	2/23	1.75	3.10	11.14	13.75	81
Chalk Creek #3*	7500	2/23	1.15	- -	8.85	- -	--
Kelly R. S.	8200	2/25	1.70	- -	10.10	- -	--
Monte Cristo #2	8960	2/25	3.25	5.20	19.37	23.30	83
Salt River Summit	7900	2/24	2.00	3.20	10.10	14.60	69
Trial Lake *	9800	2/24	2.86	3.90	16.54	19.45	85

LOWER BEAR RIVER (Below Harer, Idaho)

Dry Bread Pond	8230	2/25	2.85	3.90	16.94	17.85	95
Garden City Summit	7600	2/28	2.39	3.40	13.52	15.50	87
Klondike Narrows	7400	2/28	3.06	4.20	17.56	19.20	91
Little Bear (upper)	6850	3/1	- -	- -	15.58	15.80	99
Monte Cristo #2	8960	2/25	3.25	5.20	19.37	23.30	83
Tony Grove R.S. (SCS)	6250	2/28	2.35	- -	13.84	- -	--
Willow Flat	6100	2/24	2.45	4.10	14.99	19.50	77

OGDEN RIVER

Ben Lomond (lower)	5850	2/24	4.25	4.85	21.15	21.15	100
Ben Lomond Trail	6000	2/24	4.34	5.10	22.32	22.15	101
Causey Dam	5500	2/25	2.17	- -	10.61	- -	--
Dry Bread Pond	8230	2/25	2.85	3.90	16.94	17.85	95
Horse Ridge	8260	2/23	- -	- -	15.26	- -	---
Monte Cristo #2*	8960	2/25	3.25	5.20	19.37	23.30	83
Sagebrush Flat	6300	2/25	2.13	2.45	11.06	11.80	94

WEBER RIVER

Chalk Creek #1	9100	2/23	- -	- -	15.80	- -	--
Chalk Creek #2	8000	2/23	1.75	3.10	11.14	13.75	81
Chalk Creek #3	7500	2/23	1.15	- -	8.85	- -	--
Famington Guard Sta. (1)	7500	2/28	6.18	4.80	21.37	23.80	90
Farmington Rice (1)	7000	2/28	4.78	4.62a	18.53	21.74a	85
Horse Ridge	8260	2/23	- -	- -	15.26	- -	--
Lost Creek Reservoir	6125	2/23	- -	- -	8.88	- -	--
Parley's Canyon Smt.	7500	2/26	3.46	4.05	13.20	17.55	75
Redden Mine (upper)	9000	2/28	- -	- -	17.15	- -	--
Silver Lake (Brighton) * (2)	8725	2/28	2.98	5.05a	19.33	23.42a	83
Smith & Morehouse	7600	2/25	1.97	3.05	12.79	14.95	86
Trial Lake *	9800	2/24	2.86	3.90	16.54	19.45	85

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE

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PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	2/23	1.90	2.60	10.65	13.60	78
Daniels-Strawberry Smt.	8000	2/25	2.90	3.00	13.51	14.80	91
Dutchman R.S.	7500	3/1	- -	4.25	15.60	21.51	73
East Portal Ridge	7800	2/27	3.18	- -	13.25	- -	--
Hobble Creek Smt.	7300	2/24	- -	- -	11.95	14.65	82
Payson R.S.	8050	2/24	3.40	3.00	13.39	14.65	91
Soapstone R.S.	7800	2/24	2.20	2.75	11.28	13.25	85
Strawberry Res.-E. Portal	7606	2/27	1.90	1.54a	8.57	8.76a	98
Timpanogos Divide	8200	2/25	4.65	4.25a	22.18	21.51a	103
Trial Lake	9800	2/24	2.86	3.90	16.54	19.45	85

JORDAN RIVER & TOOLE VALLEY

Middle Canyon	7000	2/28	2.94	2.30	11.66	13.60	86
Mt. Dell Dam (2)	5500	2/28	2.35	2.41a	9.79	10.67a	92
Parley's Canyon Smt.	7500	2/26	3.46	4.05	13.20	17.55	75
Silver Lake(Brighton)(2)	8725	2/28	2.98	5.05a	19.33	23.42a	83

SEVIER RIVER ABOVE RICHFIELD

Big Flat*	10290	2/23	3.22	3.65	12.07	14.85	81
Box Creek	9800	2/24	- -	- -	9.18	10.55	87
Castle Valley	9700	3/1	- -	- -	14.77	13.60	109
Cedar Breaks	10390	2/25	3.46	4.25	19.31	17.80	108
Duck Creek R.S.	8560	2/25	3.01	3.75	20.03	15.75	127
Fish Lake	8700	2/23	- -	1.20	6.11	6.00	102
Kimberly Mine	8900	No Report		3.55		14.50	--
Panguitch Lake	8200	3/1	- -	- -	7.40	6.10	121
Webster Flat *	9200	2/28	3.62	4.10	22.18	17.00	130
Widtsoe-Escalante #3	9500	2/28	1.92	2.15	11.32	10.35	109
Widtsoe R.S.	7600	2/28	0.46	0.80a	3.76	4.26a	88

SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	2/23	- -	3.10	8.53	12.05	71
Farnsworth Lake	9900	2/28	4.32	3.90	10.84	15.05	72
G.B.R.C. Headquarters(1)	8700	3/1	3.30	3.74a	10.60	14.90a	71
G.B.R.C Meadows (1)	10000	3/1	4.83	4.15a	14.77	16.46a	90
G.B.R.C. Oaks (1)	7655	3/1	1.98	2.65a	6.70	10.38a	65
Gooseberry R.S. (1)	7800	2/28	2.88	2.70	7.87	10.35	76
Gooseberry Reservoir *	8700	2/24	3.80	3.50	13.57	15.25	89
Mammoth R.S. #2 *	8600	2/24	3.89	3.45	13.56	15.10	90
Mt. Baldy	9500	2/23	- -	- -	11.05	- -	--
Pine Creek	8700	2/25	- -	- -	16.20	18.85	86
Shingle Mill	6200	2/28	3.90	2.75	10.42	11.80	88

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

BEAVER RIVER

Beaver Canyon P.H. (2)	7275	2/28	1.66	2.02a	6.98	7.89a	88
Big Flat	10290	2/23	3.22	3.65	12.07	14.85	81
Merchant Valley	8650	2/23	2.07	- -	9.45	- -	--

PAROWAN CREEK

Tall Poles	8800	2/25	2.45	- -	11.43	- -	--
Yankee Reservoir	8700	2/25	2.00	2.30	9.44	9.65	98

COAL CREEK

Cedar Breaks	10390	2/25	3.46	4.25	19.31	17.80	108
Webster Flat*	9200	2/28	3.62	4.10	22.18	17.00	130

ENTERPRISE TO NEW HARMONY DRAINAGE

Little Grassy Creek	6100	3/1	- -	- -	16.22	9.60	169
Long Flat	8000	3/1	- -	- -	12.62	11.30	112

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

Black's Fork Jct.	8925	2/16	- -	- -	6.26	- -	--
Burnt Creek	7900	3/1	0.65	- -	5.77	- -	--
E.F. Black's Fork G.S.	9300	2/16	- -	- -	6.49	- -	--
Hewinta G.S.	9500	2/17	- -	- -	7.45	- -	--
Spirit Lake	10300	2/24	- -	- -	9.10	- -	--
Steel Creek Park	9900	2/17	- -	- -	7.86	- -	--

GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

Grizzly Ridge	8500	3/1	2.07	- -	10.90	- -	--
King's Cabin(upper)	8730	2/23	- -	- -	9.35	10.75	87

DUCHESNE RIVER

Daniels-Strawberry Smt.*	8000	2/25	2.90	3.00	13.51	14.80	91
East Portal Ridge *	7800	2/27	3.18	- -	13.25	- -	--
Indian Canyon	9100	2/28	1.66	2.55	12.50	12.70	98
Julius Park	9800	2/25	- -	2.50	10.79	12.25	88
Lakefork Mountain	10500	2/28	1.22	2.50	9.85	11.65	85
Moon Lake	8150	2/27	0.80	1.19a	6.85	7.11a	96
Paradise Park	10100	2/25	- -	2.65	12.69	13.15	96
Soapstone R.S.	7800	2/24	2.20	2.75	11.28	13.25	85
Strawberry Res.-E.Portal*	7606	2/27	1.90	1.54a	8.57	8.76a	98
Trial Lake*	9800	2/24	2.86	3.90	16.54	19.45	85

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PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

PRICE RIVER

Clear Creek Ridge #2*	8000	2/23	1.90	2.60	10.65	13.60	78
Gooseberry Reservoir	8700	2/24	3.80	3.50	13.57	15.25	89
Indian Canyon	9100	2/28	1.66	2.55	12.50	12.70	98
Mammoth R.S. #2	8600	2/24	3.89	3.45	13.56	15.10	90
Mud Creek	8300	3/1	2.00	2.60	9.95	12.90	77
White River #1	8600	2/28	- -	---	9.05	13.35	68

SAN RAFAEL RIVER

Buck Flat	9400	2/23	2.55	3.40	10.15	13.55	75
G.B.R.C. Meadows *(1)	10000	3/1	4.83	4.15	14.77	16.46	90
Gooseberry Reservoir *	8700	2/24	3.80	3.50	13.57	15.25	89
Orange Olsen		2/24	1.20	- -	5.15	- -	--
Red Pine Ridge	9400	2/24	3.00	4.30	12.80	16.40	78

MUDDY RIVER

Mt. Baldy R.S.*	9500	2/23	- -	- -	11.05	- -	--
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FREMONT & ESCALANTE RIVERS

Black's Flat-U.M.Creek	9250	2/23	- -	- -	7.24	9.55	76
Farnsworth Lake*	9900	2/28	4.32	3.90	10.84	15.05	72
Fish Lake	8700	2/23	- -	1.20	6.11	6.00	102
Widtsoe-Escalante #3	9500	2/28	1.92	2.15	11.32	10.35	109

VIRGIN RIVER

Duck Creek R.S.	8560	2/25	3.01	3.75	20.03	15.75	127
Webster Flat	9200	2/28	3.62	4.10	22.18	17.00	130

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	2/17	- -	- -	17.10	17.25	99
Camp Jackson	8600	2/17	- -	- -	16.30	13.60	120
LaSal Mountain(upper)	9600	No Report			No Report	16.40	--

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Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
Weather Bureau
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner
Utah Water and Power Board

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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with the Snow Survey"*